

2003 MY for Shift Solenoid "B" Electrical (Shift Solenoid Valve S2) Monitor (P0976 / P0977)

2003 MY for Pressure Control Solenoid "B" Electrical (Shift Solenoid Valve SL2) Monitor (P0976 / P0977)

To return to monitor description, see page [Cm-271](#).

MONITOR STRATEGY

Required sensors/Components	Main	Shift solenoid valve No.2
	Sub	None
Frequency of operation	Continuous	
Duration	0.032 sec.	
MIL operation	1 driving cycle	
Sequence of operation	None	

TYPICAL ENABLING CONDITIONS

Item		Specification	
		Minimum	Maximum
The monitor will run whenever the following DTCs are not present.		See page In-39	
Engine family	Item	Specification	
		Minimum	Maximum
All models	Range check (Low resistance)		
	Solenoid	ON	
	Time after solenoid OFF to ON	More than 0.008 sec.	–
	Range check (High resistance)		
	Solenoid	OFF	
	Time after solenoid ON to OFF	More than 0.008 sec.	–

TYPICAL MALFUNCTION THRESHOLDS

Engine family	Detection criteria	Threshold
All models	Range check (Low resistance)	
	Number of solenoid ON/OFF change with intelligent power MOS diagnosis signal failure (Fail at solenoid resistance 8 Ω or less)	2 times Fail, 2 times (0.016 sec.)
	Range check (High resistance)	
	Number of solenoid ON/OFF change with intelligent power MOS diagnosis signal failure (Fail at solenoid resistance 100 k Ω or more)	2 times Fail, 2 times (0.016 sec.)